

Title (en)

ELECTROPHORETIC INK PROVIDING COLOURED AND TRANSPARENT STATES

Title (de)

ELEKTROPHORETISCHE TINTE MIT BEREITSTELLUNG FARBIGER UND TRANSPARENTER ZUSTÄNDE

Title (fr)

ENCRE ÉLECTROPHORÉTIQUE FOURNISSANT DES ÉTATS TRANSPARENTS ET COLORÉS

Publication

**EP 3484966 A1 20190522 (EN)**

Application

**EP 17740364 A 20170710**

Priority

- EP 16179079 A 20160712
- EP 2017067278 W 20170710

Abstract (en)

[origin: WO2018011143A1] The present invention refers to an electrophoretic ink, a method for preparing an electrophoretic ink, an electrophoretic display comprising the electrophoretic ink, a smart window comprising the electrophoretic ink as well as the use of the electrophoretic ink in electrophoretic displays or smart windows and the use of a mixture of charge control agents for the preparation of an electrophoretic ink.

IPC 8 full level

**C09D 11/033** (2014.01); **C09D 11/102** (2014.01); **G03G 9/00** (2006.01)

CPC (source: EP KR US)

**C09D 5/4419** (2013.01 - US); **C09D 5/4473** (2013.01 - US); **C09D 5/448** (2013.01 - US); **C09D 11/03** (2013.01 - KR); **C09D 11/033** (2013.01 - EP KR US); **C09D 11/037** (2013.01 - KR US); **C09D 11/102** (2013.01 - EP US); **C09D 11/52** (2013.01 - US); **G02F 1/167** (2013.01 - KR US); **G02F 1/1681** (2018.12 - US); **H01B 1/00** (2013.01 - US); **G02F 2001/1678** (2013.01 - US)

Citation (search report)

See references of WO 2018011143A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2018011143 A1 20180118**; CN 109476939 A 20190315; EP 3484966 A1 20190522; JP 2019522240 A 20190808; KR 20190028457 A 20190318; US 2019233662 A1 20190801

DOCDB simple family (application)

**EP 2017067278 W 20170710**; CN 201780042421 A 20170710; EP 17740364 A 20170710; JP 2019500552 A 20170710; KR 20197003224 A 20170710; US 201716312136 A 20170710